



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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SUMMARY OF THE PHYSICAL/CHEMICAL PROPERTIES (PR Notice 98-1)

1. PRODUCT NAME: Sharda Imazapic 23.6% SL II; ABN: Propose		2. Reg. No. 83529-XXX
3. COMPANY NAME: Sharda USA LLC		4. SUBMISSION DATE: March 24, 2021
5. FIRST SUBMISSION <input checked="" type="checkbox"/> 6. RESUBMISSION <input type="checkbox"/>	7. PESTICIDE TYPE: Herbicide	10. REGISTRATION <input checked="" type="checkbox"/>
8. FORMULATED MANUFACTURING-USE PRODUCT <input type="checkbox"/> or 9. END-USE PRODUCT <input checked="" type="checkbox"/>		11. REREGISTRATION <input type="checkbox"/>
13. PRODUCT MANAGER OR CHEMICAL REVIEW MANAGER #/NAME (IF KNOWN): Erik Kraft PM 24		12. REREG CASE #
14. GUIDELINE REFERENCE NO.(GRN)/TITLE	15. VALUE or QUALITATIVE DESCRIPTION/METHOD(s) USED WHERE APPLICABLE AND REFERENCES	16. MRID or REPORT NO.

Group B, Series 830-Physical and Chemical Properties (40 CFR 158.190)

-6302	Color	Pale Yellow; OPPTS 830.6302	51143402
-6303	Physical State	Liquid; OPPTS 830.6303	51143402
-6304	Odor	Aromatic odor; OPPTS 830.6304	51143402
-6314	Oxidation/Reduction: Chemical Incompatibility	Reference: 40 CFR 158.310 Product chemistry data requirements table. Footnote 13.	51143413
-6315	Flammability/Flame Extension	See Attachment 1	51143406
-6316	Explosibility	Non-explosive in nature; Method EEC A.14 - Thermal sensitive and shock impact methods	51143405
-6317	Storage Stability	Test substance stored at 54C for 14 days. A.I. content of the active remained stable. CIPAC MT 46.3	51143402
-6319	Miscibility	Reference: 40 CFR 158.310 Product chemistry data requirements table. Footnote 16.	51143413
-6320	Corrosion Characteristics	See Attachment 1	51143402
-6321	Dielectric Breakdown Voltage	Reference: 40 CFR 158.310 Product chemistry data requirements table. Footnote 17.	51143413
-7000	pH	6.86 @ 25C, 1% w/v aqueous solution ; CIPAC MT 75.3	51143402
-7100	Viscosity	See Attachment 1	51143404
-7300	Density/Relative Density/ Bulk Density	1.0386 g/mL; pycnometer; EEC A.3	51143403

Attachment 1

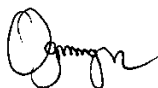
Continuation of Summary of the Physical/Chemical Properties
Sharda USA LLC
Sharda Imazapic 23.6% SL II; ABN: Propose, EPA Reg. No. 83529-
XXX Submission Date: March 24, 2021

Group B, Series 830-Physical and Chemical Properties

14. Guideline Reference	15. Value or Qualitative Description/Method Used Where Applicable and References	16. MRID or Report Number
-6315 Flammability	<p>An auto-ignition study was conducted on the product following the guideline ASTM E 659-78.</p> <p>A round-bottomed, short neck flask enclosed in a temperature controlled oven and fitted with a thermocouple. A mirror was used to observe the sample after it was injected. The sample temperature was raised from 30°C to 350°C at the rate of 5°C/minute and the temperature was recorded every minute. No ignition was observed.</p> <p>The test was repeated with a rate of 30°C/min for 10 minutes up to 350°C. No ignition was observed.</p> <p>No ignition was observed up to 350°C inside the flask, and therefore the test substance is considered non-flammable.</p> <p><i>Reference: Auto-ignition – 51143406</i></p>	51143406
-6320 Corrosion characteristics	<p>Test substance stored at 54C for 14 days. No color changes, no physical changes to packing material. No perforations, darkening, leakages, rust or change in shape. OPPTS 830.6320</p>	51139702
-7100 Viscosity	<p>Used a calibrated Brook field UL Adaptor and spindle number 00 DV II + prime viscometer. Considering the test substance as a non-newtonian compound; CIPAC MT 192 and OECD 114</p> <p>At 20°C 50 rpm = 55.5 cP 100 rpm = 58.3 cP</p> <p>At 40°C 50 rpm = 53.6 cP 100 rpm = 57.5 cP</p>	51143404

Ogongi Ogongi, Agent

Name and Title of Approving Official



**Signature of Approving
Official**

March 24, 2021

Date